Diag. Ch. No. 1239-2.

Form 804
U. S. DEPARTMENT OF COMMERCE
COAST AND GEODETIC SURVEY

DESCRIPTIVE REPORT

Type of Survey  Planimetric

Field No. 6126  Office No. T-11314

LOCALITY

State  South Carolina

General locality  Charleston County

Locality  Bass Creek

1956

CHIEF OF PARTY
Ira R. Rubottom, Chief of Party
V. Ralph Sobieralski, C-in-C., Portland

LIBRARY & ARCHIVES

DATE  MAY 23, 1958
DESCRIPTIVE REPORT - DATA RECORD

T - 11314

Project No. (II): 6126  Quadrangle Name (IV): SANDY POINT


Photogrammetric Office (III): Portland, Oregon  Officer-in-Charge: V. Ralph Sobiersalski

Instructions dated (II) (III): 13 December 1955  Copy filed in Division of

Amendment dated: 20 March 1956  Photogrammetry (IV)

Portland Office assignment
Letter 73-mkl dated 2 August 1956

Method of Compilation (III): Graphic

Manuscript Scale (III): 1:10,000  Stereoscopic Plotting Instrument Scale (III):

Scale Factor (III): None

Date received in Washington Office (IV): Date reported to Nautical Chart Branch (IV):

Applied to Chart No. Date: Date registered (IV): 3 Mar 1958

Publication Scale (IV):

Geographic Datum (III): N.A. 1927  Vertical Datum (III): X

Mean sea level except as follows:
Elevations shown as (2) refer to mean high water
Elevations shown as (3) refer to sounding datum
i.e., mean low water or mean lower low water

Reference Station (III): PENNY 1933

Lat.: 32° 37' 22.204" 648.0m  Long.: 80° 00' 08.264" 215.4m  Adjusted X

(1164.3m)  (1348.8m)

Adjusted

Plane Coordinates (IV): State: Zone:

Y= X=

Roman numerals indicate whether the item is to be entered by (II) Party, (III) Photogrammetric Office, or (IV) Washington Office.

When entering names of personnel on this record give the surname and initials, not initials only.
Areas contoured by various personnel (Show name within area) (II) (III)
Field Inspection by (II): Martin C. Moody  
John S. Winter  
Date: Jan., Mar., 1956  
Feb., 1956

Planetale contouring by (II):  
Date:

Completion Surveys by (II):  
Date:

Mean High Water Location (III) (State date and method of location): From field inspection of March 1956 made on 9-lens photographs of March 1955, supplemented by 9-lens photographs of November 1955 and office examination and refinement.

Projection and Grids ruled by (IV): A. Riley  
Date: 12/21/55

Projection and Grids checked by (IV): A. Riley  
Date: 1/9/56

Control plotted by (III): LTJG Clinton D. Upham  
Date: 10/12/56

Control checked by (III): J. L. Harris  
Date: 10/13/56

Radial Plot or Stereoscopic Control extension by (III): J. L. Harris  
Date: 1/21/57

Planimetry

Stereoscopic instrument compilation (III):  
Contours

Date:

Manuscript delineated by (III): J. L. Harris (Rough Draft)  
D. N. Williams (Scribing)  
D. N. Williams (Stick-up)  
Date: 3/7/57  
3/29/57  
5/2/57

Photogrammetric Office Review by (III): J. E. Deal  
Date: 7/23/57

Elevations on Manuscript checked by (II) (III):  
Date:
DESRIPTIVE REPORT - DATA RECORD

-camera (kind or source) (III): CGG 9-lens - focal length 8.25 inches

PHOTOGRAFPHS (III)

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<tr>
<th>Number</th>
<th>Date</th>
<th>Time</th>
<th>Scale</th>
<th>Stage of Tide</th>
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</thead>
<tbody>
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<td>49294 &amp; 49295</td>
<td>3/23/55</td>
<td>14:15</td>
<td>1:10,000</td>
<td>-0.1 ft. below M.L.W.</td>
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</table>

TIDE (III)

FROM TABLE & PREDICTED TIDE

<table>
<thead>
<tr>
<th>Ratio of Ranges</th>
<th>Mean Range</th>
<th>Spring Range</th>
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<tr>
<td>5.1</td>
<td>6.0</td>
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</tr>
<tr>
<td>5.2</td>
<td>6.1</td>
<td></td>
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</tbody>
</table>

Reference Station:    Charleston, S. C.
Subordinate Station:  Folly Island (outer coast)

Washington Office Review by (IV): [Signature]
Final Drafting by (IV): [Signature]
Drafting verified for reproduction by (IV): [Signature]

Proof Edit by (IV): [Signature]

Land Area (Sq. Statute Miles) (III): 4
Shoreline (More than 200 meters to opposite shore) (III): 7
Shoreline (Less than 200 meters to opposite shore) (III): 9
Control Leveling - Miles (II):

<table>
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<tr>
<th>Number of Triangulation Stations searched for (II):</th>
<th>Recovered</th>
<th>Identified</th>
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</thead>
<tbody>
<tr>
<td>3</td>
<td>3</td>
<td>2</td>
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</tbody>
</table>

Number of BMs searched for (II):

Number of Recoverable Photo Stations established (III): 3*
Number of Temporary Photo Hydro Stations established (III): None

Remarks:

* The Form 524 for Vanderhorst 1943 Azimuth Mark was completed at the compilation office.
FIELD INSPECTION REPORT

Project Ph-126

Map Manuscript T-11314

Refer to Field Inspection Report, Project 6126, Map Manuscripts T-11306 to T-11315 inclusive, year 1956, Ira R. Rubottom, Chief of Party.
PHOTOGRAMMETRIC PLOT REPORT

Map Manuscript T-11314
Project Ph-126

The control extension for this map manuscript was completed as part of a combined radial plot comprising Map Manuscripts No'd. T-11309, T-11310 and T-11313 thru T-11315. The Photogrammetric Plot Report is included in the Descriptive Report for T-11309.
<table>
<thead>
<tr>
<th>STATION</th>
<th>SOURCE OF INFORMATION</th>
<th>DATUM</th>
<th>LATITUDE OR y-COORDINATE</th>
<th>LONGITUDE OR x-COORDINATE</th>
<th>DISTANCE FROM GRID IN FEET OR PROJECTION LINE IN METERS</th>
<th>N.A. 1927 - DATUM DISTANCE FROM GRID OR PROJECTION LINE IN METERS</th>
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</thead>
<tbody>
<tr>
<td>PENNY 1933</td>
<td>G-1669, Pg. 67</td>
<td>N.A.</td>
<td>32 37</td>
<td>22 204</td>
<td>684.0 (1164.3)</td>
<td>215.4 (1348.8)</td>
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<tr>
<td>PENNY Sub. Pt.</td>
<td>Office</td>
<td>N.A.</td>
<td>32 37</td>
<td>08 00</td>
<td>715.8 (1132.5)</td>
<td>245.7 (1318.5)</td>
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<tr>
<td>VANDERHORST 1943</td>
<td>C-5492, Pg. 304</td>
<td>N.A.</td>
<td>32 36</td>
<td>54 450</td>
<td>1677.3 (171.0)</td>
<td>985.4 (579.1)</td>
</tr>
<tr>
<td>VANDERHORST</td>
<td>Office</td>
<td>N.A.</td>
<td>32 36</td>
<td>08 02</td>
<td>1713.4 (134.9)</td>
<td>930.7 (633.6)</td>
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<tr>
<td>BASS 1915</td>
<td>C-1669, Pg. 62</td>
<td>N.A.</td>
<td>32 37</td>
<td>02 836</td>
<td>87.4 (1760.9)</td>
<td>575.2 (989.1)</td>
</tr>
</tbody>
</table>
COMPILATION REPORT
Map Manuscript T-11314
Project Ph-126

31. **Delineation:**

Remarks contained in Paragraph 31. "Delineation" of the Compilation Report for T-11306 are applicable to T-11314.

32. **Control:**

Horizontal control was adequate.

Paragraphs 33 thru 36:

Remarks contained in these paragraphs of the Compilation Report for T-11306 are applicable to T-11314.

37. **Landmarks and Aids:**

None

38. **Control for Future Surveys:**

Forms 524 are submitted for two monumented recoverable topographic stations which were graphically located. They are:

LOOP 1956 and BUST 1956

Form 524 is submitted by the Photogrammetric Office for one other monumented recoverable topographic station which was graphically located, namely:

VANDERHORST AZIMUTH MARK 1956
These stations are listed in paragraph 49. "Notes to the Hydrographer".

39. Junctions:

Satisfactory junctions were made on the West with T-11313 and on the North with T-11310. To the East and South is the Atlantic Ocean.

40. Horizontal and Vertical Accuracy:

46. Comparison with Existing Surveys:

Comparison was made with Army Map Service Kiawah Island, S. C. 7½ minute quadrangle, Scale, 1:24,000, published 1943 (1st edition).

Comparison was made with C&GS Air Photo Compilations of 1953 as follows:

T-5153, Scale, 1:20,000
T-5154, Scale, 1:20,000
T-5185, Scale, 1:10,000

47. Comparison with Nautical Charts:

Comparison was made with nautical chart No. 792, Scale, 1:40,000, published June 1941 (2nd edition) last corrected 6/27/55.

There is no evidence on the low-water photographs of an island shown on the chart offshore from Sandy Point at Lat. 32° 36' and Long. 80° 00'.

"Items to be applied to nautical charts immediately"

None.

"Items to be carried forward".

None.

Approved:

J. Ralph Sobieralski
V. Ralph Sobieralski
LCOR C&GS Survey
Officer-in-Charge

Respectfully submitted:

J. Edward Deal
Cartographer
C&GS
Geographic Names:

Atlantic Ocean

Bass Creek
Bass Creek Inlet

Charleston County
Cinder Creek
Cinder Point (ridge)

Eagle Point (ridge)

Kiawah Island

Sandy Point
Sandy Point Creek
South Carolina
Stono Inlet

Names approved 12-6-57
L. Hock


49. Notes to the Hydrographer:

Three monumented recoverable topographic stations were located by graphic methods for use as hydrographic control. They are:

LOOP 1956
BUST 1956
VANDERHORST AZIMUTH MARK 1956
PHOTOGRAMMETRIC OFFICE REVIEW

T- 11514


CONTROL STATIONS

5. Horizontal control stations of third-order or higher accuracy  X  6. Recoverable horizontal stations of less than third-order accuracy (topographic stations)  X  7. Photo hydro stations  NONE  8. Bench marks  NONE

ALONGSHORE AREAS
(Nautical Chart Data)


PHYSICAL FEATURES


CULTURAL FEATURES


BOUNDARIES

31. Boundary lines  none  32. Public land lines  none

MISCELLANEOUS


Reviewer

Supervisor, Review Section or Unit

41. Remarks (see attached sheet)

FIELD COMPLETION ADDITIONS AND CORRECTIONS TO THE MANUSCRIPT

42. Additions and corrections furnished by the field completion survey have been applied to the manuscript. The manuscript is now complete except as noted under item 43.

J. Edward Deal

43. Remarks:
COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS

<table>
<thead>
<tr>
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<th>Scale</th>
<th>Year</th>
<th>Error in Mine 306</th>
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</table>

These manuscripts supersede all the above surveys in common areas as source material for charts.

COMPARISON WITH MAPS OF OTHER AGENCIES

James Island 1:25,000 AMS
The Jetties
Legareville
Kiawah Island

COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS

None

COMPARISON WITH NAUTICAL CHARTS

<table>
<thead>
<tr>
<th>Chart</th>
<th>Scale</th>
<th>Edition</th>
<th>Revised Date</th>
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<tr>
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<td>491</td>
<td>1:20,000</td>
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ADEQUACY OF RESULTS AND FUTURE SURVEYS

These maps comply with instructions and meet the National Standards of Map Accuracy.

They are of adequate accuracy for use as a base for future hydrographic surveys.

Pertinent comments applicable to each survey follow:

T-11104

Attention is directed to Item 47 for investigation by future hydrographic surveys.

The overhead power cable over Simpson Creek was not verified by field inspection.
62. **COMPARISON WITH REGISTERED TOPOGRAPHIC SURVEYS**

<table>
<thead>
<tr>
<th>Survey</th>
<th>Scale (1:10,000)</th>
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</table>

These manuscripts supersede all the above surveys in common areas as source material for charts.

63. **COMPARISON WITH MAPS OF OTHER AGENCIES**

- James Island 1:25,000
- The Jetties
- Loganville
- Kiawah Island

64. **COMPARISON WITH CONTEMPORARY HYDROGRAPHIC SURVEYS**

None

65. **COMPARISON WITH NAUTICAL CHARTS**

<table>
<thead>
<tr>
<th>Chart</th>
<th>Scale (1:40,000)</th>
<th>Edition</th>
<th>Revised</th>
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<td>491</td>
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<td>1st Ed. 1936</td>
<td>Revised 1/21/57</td>
</tr>
</tbody>
</table>

66. **ADEQUACY OF RESULTS AND FUTURE SURVEYS**

These maps comply with instructions and meet the National Standards of Map Accuracy.

They are of adequate accuracy for use as a base for future hydrographic surveys.

Pertinent comments applicable to each survey follow:

**T-11306**

Attention is directed to Item 47 for investigation by future hydrographic surveys.

The overhead power cable over Simpson Creek was not verified by field inspection.
ADEQUACY OF RESULTS AND FUTURE SURVEYS CONTINUED

T-11307

Refer to Item 47 and 47 of the Compilation Report.

T-11308

It is recommended that the positions of the north and south jetties be checked by the hydrographer. Refer to Item 25 of the Plot Report and Item 31 of the Compilation Report.

T-11311

Several Differences exist in clearances between the manuscript and the chart.

<table>
<thead>
<tr>
<th>Location</th>
<th>Feature</th>
<th>Chart</th>
<th>Manuscript</th>
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</thead>
<tbody>
<tr>
<td>East of Peac Island</td>
<td>OYHD OAB</td>
<td>48'</td>
<td>59'</td>
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<tr>
<td>Polly Beach Aer., Polly Cr.</td>
<td>Fixed Bridge Vt. el. 10'</td>
<td>11'</td>
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<td>Horiz. el. 57'</td>
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<tr>
<td>Oak Island Cr.</td>
<td>Fixed Bridge Vt. el. 3'</td>
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<td>Skiff el.</td>
</tr>
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<td></td>
<td>Horiz. el. 28'</td>
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</table>

Reviewed by

A. K. Heywood

A. K. Heywood

Approved

Le Lande

Chief, Review Branch
Photogrammetry Division

Chief, Coastal Surveys Division
66. ADEQUACY OF RESULTS AND FUTURE SURVEYS CONTINUED

T-11307

Refer to Item 4 and 47 of the Compilation Report.

T-11308

It is recommended that the positions of the north and south jetties be checked by the hydrographer. Refer to Item 25 of the Plot Report and Item 31 of the Compilation Report.

T-11311

Several Differences exist in clearances between the manuscript and the chart.

<table>
<thead>
<tr>
<th>Location</th>
<th>Feature</th>
<th>Chart</th>
<th>Manuscript</th>
</tr>
</thead>
<tbody>
<tr>
<td>East of Peas Island</td>
<td>OVED CAB</td>
<td>48'</td>
<td>5'</td>
</tr>
<tr>
<td>Folly Beach Acr. Folly Cr. Fixed Bridge Vt.el.10'</td>
<td>11'</td>
<td>Horiz.el.57'</td>
<td>54'</td>
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<td>Oak Island Cr.</td>
<td>Fixed Bridge Vt.el.3'</td>
<td>Skiff 1'</td>
<td>Horiz.el.28'</td>
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</tbody>
</table>

Reviewed by
A. K. Heywood
A. X. Heywood

Approved
La Lande
Chief, Review Branch
Photogrammetry Division

Chief, Nautical Chart Branch
Charts Division

Chief, Coastal Surveys Division
### Record of Application to Charts

<table>
<thead>
<tr>
<th>DATE</th>
<th>CHART</th>
<th>CARTOGRAPHER</th>
<th>REMARKS</th>
</tr>
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<tbody>
<tr>
<td>6/60</td>
<td>1235</td>
<td>EE Thomas</td>
<td>Consider fully applied until December</td>
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<tr>
<td></td>
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<td>Verification and Review</td>
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<td>Verification and Review</td>
</tr>
</tbody>
</table>

**Notes:**

A basic hydrographic or topographic survey supersedes all information of like nature on the uncorrected chart.

Give reasons for deviations, if any, from recommendations made under “Comparison with Charts” in the Review.